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August 20, 2018

Mr. Craig Dixon Chairman New Bedford Conservation Commission New Bedford City Hall 133 William Street New Bedford, MA 02744

RE: Nitsch Project #9972 209 Theodore Rice Blvd Test Pit Results New Bedford, MA

Dear Mr. Dixon:

Nitsch Engineering was requested by the Conservation Commission Agent to visit the 209 Theodore Rice Boulevard site to observe a test pit for the proposed infiltration system. The Contractor had installed the infiltration system and informed the Conservation Commission Agent that the test pit would be conducted adjacent to the installed system.

I arrived at the site at 10:00am on August 17, 2018 and conducted a soil evaluation of the excavation. The site contractor informed us that the top elevation of the excavation was at approximate elevation 96.5 and the bottom elevation of the excavation was at approximate elevation 89.5. The contractor used a laser level to obtain the elevations. I concluded that the excavation consisted of 71-inches of fill material over a 2-inch buried organic layer (A Horizon) followed by 17-inches of a naturally occurring loamy sand material. Redoximorphic features, and moist soils, were observed at a depth of 86-inches within the naturally occurring loamy sand material. These features indicate the presence of an estimated seasonal high groundwater table (ESHGW) at this depth. This information correlates to an approximate elevation of 89.3 for ESHGW. Please refer to the enclosed test pit log for additional information.

If you have any questions, please do not hesitate to call.

Very truly yours,

Nitsch Engineering, Inc.

Marc J. Gabriel, PE, CPESC

Project Manager

MJG/mma

P:\9972 New Bedford NOIPR\Planning\Project Data\2018-08-17 209 Theodore Rice Blvd Test Pit\2018-08-20 Test Pit 209 Theodore Rice Blvd.docx



Commonwealth of Massachusetts City/Town of New Bedford

City/Town of New Bedford
Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C.	On-Site Review (minimum of two holes required at every proposed primary and reserve disposal area)
	Deep Observation Hole Number: TP-1 8/17/18 10 am Sunny, 85°F Date Time Weather Time
1.	Location
	Ground Elevation at Surface of Hole: Ground Elevation at Surface of Hole: Latitude/Longitude:
	Description of Location: Construction site > 209 Theodore Rice Blvd.
2.	(e.g., woodland, agricultural field, vacant lot, etc.) Surface Stones (e.g., cobbles, stones, boulders, etc.) Slope (%)
	Vegetation None Landform Dutwash Plain Position on Landscape (SU, SH, BS, FS, TS)
3.	Distances from: Open Water Body Drainage Way Wetlands
	Property Line Drinking Water Well Other
4.	Parent Material: Proglacial Outwash Unsuitable Materials Present: Yes No
	If Yes: Disturbed Soil Fill Material Impervious Layer(s) Weathered/Fractured Rock Bedrock
5.	Groundwater Observed: Yes No If yes: Depth Weeping from Pit Depth Standing Water in Hole
	Estimated Depth to High Groundwater: Septimated Depth to High Groundwater: Septim
	Las Morries

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal • Page



Commonwealth of Massachusetts

C. On-Site Review (continued)

City/Town of New Bed Ford Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

	Soil Horizon/ Layer	/ Soil Matrix: Color- Moist (Munsell)	Redoximorphic Features			Soil Texture	Coarse Fragments % by Volume			Soil Consistence	Other
Depth (in.)			Depth	Color	Percent	(USDA)	Gravel	Cobbles & Stones		(Moist)	25.00
05	F	_	_		_	-	_	_	_		Metl. Varie
71-3	A-Buried	104r2/1	_	_	_	Sarly boars	-	_	Weak		_
73-0	C	25/5/2	86-	7.5455	15	Loany Sad	10	0	Massive	Loose	_

Additional Notes: No verying or standing water was observed, Moist soil was observed in the area of mottles near the bottom of excavation, signs of a perched not considered ESHOW. Top elevation of excavation was provided by the contractor.

